

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD-HOBBS

FORM APPROVED  
OMB No. 1004-0137  
Expires: March 31, 2007

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator  
ConocoPhillips Company3a. Address  
4001 Penbrook Street Odessa TX 797623b. Phone No. (include area code)  
(432) 368-1667

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1295' FNL & 675' FWL  
UL "D", Sec. 28, T-17-S, R-32-E

5. Lease Serial No.

LC 057210

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.  
MCA Unit

8. Well Name and No.

#394

9. API Well No.

30-025-37931

10. Field and Pool, or Exploratory Area

Maljamar; Grayburg-San Andres

11. County or Parish, State

Lea

NM

## 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture/Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input checked="" type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Per the attached wellbore diagrams, ConocoPhillips wishes to request approval to revise the initial approved cement program for this well to:

- Contingency plan for two-state cementing with external casing packers
- Replacement of 13.6 ppg lead cement with 11.8 ppg lead slurry cement, in both single-stage and two-stage programs

14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

Celeste G. Dale

Title Regulatory Specialist

Signature

Date 10/18/06

## THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

GWW

APPROVED

OCT 23 2006

FREDERICK WRIGHT  
PETROLEUM ENGINEER

**ALTERNATIVE CASING & CEMENTING PROGRAM PROPOSAL**  
MCA 394, MCA 396, MCA 397

Datum: RKB (12' above ground level)

**Conductor**

13-3/8" conductor set at 40' to 80' with rat hole machine

**Surface Casing**

Size 8 5/8 in  
Wt. 24 ppf  
Grade: J-55 ppf  
Conn: STC ppf

Hole Size 12 1/4 in  
Excess Cmt 150 %  
T.O.C. SURFACE

Surface Casing Shoe set at 850' to 900' MD RKB  
TD of 12-1/4" hole at 865' to 915' MD RKB

Variance requested / propoposed to allow us to test the Surface Casing to 1000 psi instead of to 1500 psi.

**Production Casing:**

Size 5 1/2 in  
Wt. 15.5 or 17 ppf  
Grade: J-55 ppf  
Conn: LTC ppf

Hole Size 7 7/8 in  
Lead Slurry 150 % Excess Cmt on Open Hole Ann Vol  
Tail Slurry 100 % Excess Cmt on Open Hole Ann Vol  
T.O.C. SURFACE

Production Casing Shoe set at 4400' to 4450' MD RKB  
TD of 7-7/8" hole at 4415' to 4465' MD RKB

Production casing cement volumes will be adjusted based on open hole caliper log data if available.

11" 5M x 7 1/16" 5M Tubing Head  
8-5/8" SOW x 11" 5M Casing Head

☒ New  
☐ Used

☒ New  
☐ Used

**Surface Cement**

Spacer: 20 bbls fresh water

Lead Slurry: 290 sx  
35/65 POZ:Class C  
+ 5% bwow D44 salt  
+ 6% D20 bentonite  
+ 2% S1 Calcium Chloride  
+ 0.25 pps D29 celloflake  
+ CemNet if needed.  
Mix Weight = 12.8 ppg,  
Yield = 1.97 cuft/sx yield,  
Mix Water = 10.54 gal/sx  
Top of Lead Slurry at Surface

Tail Slurry: 190 sx  
15:85 POZ:Class C  
+ 5% bwow D44 salt  
+ 3% D20 bentonite  
+ 2% S1 calcium chloride  
+ 0.25 pps D29 celloflake  
+ CemNet if needed.  
Mix Weight = 13.5 ppg,  
Yield = 1.72 cuft/sx yield,  
Mix Water = 8.87 gal/sx  
Top of Tail Slurry at 550' MD RKB

**Production Cement**

Spacer: 20 bbls fresh water

Lead Slurry: 515 sx  
50/50 POZ:Class C  
+ 5% bwow D44 salt  
+ 10% D20 bentonite  
+ 0.2% D167 Fluid Loss Additive  
+ 0.2% D65 Dispersant  
+ 0.25 pps D29 celloflake  
+ CemNet if needed  
Mix Weight = 11.8 ppg,  
Yield = 2.54 cuft/sx yield,  
Mix Water = 14.71 gal/sx  
Top of Lead Slurry at Surface

Tail Slurry: 360 sx  
35:65 POZ:Class H  
+ 0.4% D65 dispersant  
+ CemNet if needed  
Mix Weight = 16.4 ppg,  
Yield = 0.98 cuft/sx yield,  
Mix Water = 3.71 gal/sx  
Top of Tail Slurry at 3170' MD RKB

Displacement: 2% KCL  
or Fresh Water

Schematic prepared by:  
Brady Littleton, Development Engineer  
16-October-2006

Datum: RKB (12' above ground level)

Conductor

13-3/8" conductor set at 80' with rat hole machine

Surface Casing

Size 8 5/8 in  
Wt. 24 ppf  
Grade: J-55 ppf  
Conn: STC ppf

Hole Size 12 1/4 in  
Excess Cmt 182 %  
T.O.C. SURFACE

Surface Casing Shoe set at 850' - 900' MD RKB  
TD of 12-1/4" hole at 860' - 915' MD RKB

11" 5M x 7 1/16" 5M Tubing Head  
8-5/8" SOW x 11" 5M Casing Head

☒ New  
☐ Used

Surface Cement

Spacer: 20 bbls fresh water  
Lead Slurry:  
340 sx 35/65 POZ:Class C  
+ 5% bwow D44 salt  
+ 6% D20 bentonite  
+ 2% S1 Calcium Chloride  
+ 0.25 pps D29 celloflake  
+ CemNet in first 50 bbls of lead slurry  
Mix Weight = 12.8 ppg,  
Yield = 1.97 cuft/sx yield,  
Mix Water = 10.54 gal/sx  
Top of Lead Slurry at Surface

Tail Slurry:  
200 sx 15:85 POZ:Class C  
+ 5% bwow D44 salt  
+ 3% D20 bentonite  
+ 2% S1 calcium chloride  
+ 0.25 pps D29 celloflake  
Mix Weight = 13.5 ppg,  
Yield = 1.73 cuft/sx yield,  
Mix Water = 8.90 gal/sx  
Top of Tail Slurry at 568' MD RKB

Displace with Fresh Water.

Production Cement

Stage 2:

Spacer: 20 bbls fresh water  
Stage 2 Lead Slurry:  
1000-1200 sx 50/50 POZ:Class C  
+ 5% bwow D44 salt  
+ 10% D20 bentonite  
+ 0.2% D167 Fluid Loss Additive  
+ 0.2% D65 Dispersant  
+ 0.25 pps D29 celloflake  
+ CemNet in first 50 bbls of lead slurry  
Mix Weight = 11.8 ppg,  
Yield = 2.54 cuft/sx yield,  
Mix Water = 14.71 gal/sx  
Top of Lead Slurry at Surface

Stage 2 Tail Slurry:  
100 sx Class C Neat  
Mix Weight = 14.8 ppg,  
Yield = 1.32 cuft/sx yield,  
Mix Water = 6.31 gal/sx  
Top of Tail Slurry at 2742' MD RKB

Stage 2: Displace with Fresh Water

Stage 1

Spacer: 20 bbls fresh water  
Stage 1 Slurry:  
500 sx 35:65 POZ:Class H  
+ 0.4% D65 dispersant  
+ CemNet if needed  
Mix Weight = 16.4 ppg,  
Yield = 0.98 cuft/sx yield,  
Mix Water = 3.71 gal/sx  
Top of Tail Slurry at ~ 2992' MD RKB

Stage 1 Displacement: Fresh Water and/or  
Brine/Mud

Schematic prepared by:  
Brady Littleton, Development Engineer  
17-October-2006

Production Casing:

Size 5 1/2 in  
Wt. 17 ppf  
Grade: J-55 ppf  
Conn: LTC ppf

Hole Size 7 7/8 in  
Stage 2: 400 % Excess Cmt  
Stage 1: 97 % Excess Cmt  
T.O.C. SURFACE

☒ New  
☐ Used

Wiper Plug  
Stage Tool at ~2970'-3020' MD RKB  
External Casing Packer immediately below Stage  
Tool at ~2970'-3020' MD RKB

Waterflow at approximately 3600'-3700' MD RKB  
External Casing Packer at ~3700' - 3750' MD RKB

Production Casing: 5-1/2" 17# J-55 LTC  
Float Collar at ~4340' - 4390'  
Float Shoe at ~4390' - 4440'

TD of 7-7/8" hole at ~4400' - 4450' MD RKB

### **SUNDRY NOTICE SPECIAL STIPULATIONS**

1. Approval is granted for the following changes to the original APD:
  - A. Change in surface casing from 13 3/8 inch to 8 5/8 inch
  - B. Change in weight of the lead cement slurry on the 5 1/2 inch production casing from 13.6 ppg to 11.8 ppg and
  - C. Establishment of an alternate two stage cementing program for the production casing.

**Engineering**  
**can be reached at 505-706-2779 for any variances that might be necessary.**